

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

[REMAINING WORK] SUMMARY OF COST

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 02 - 07)	Rs=
2	Cost of Civil Work (NSI) (Page No. 08 - 09)	Rs=
	Sub Total of Civil Work	(A)
3	Cost of Plumbing Work (Scheduled Items) (Page No. 10 - 13)	Rs=
4	Cost of Plumbing Work (NSI) (Page No. 14 - 15)	Rs=
	Sub Total of Plumbing Work	(B)
5	Cost of Electrical Work (Scheduled Items) (Page No. 16 - 18)	Rs=
6	Cost of Electrical Work (NSI) (Page No. 19 - 20)	Rs=
	Sub Total of Electrical Work	(C)
7	Cost of External Development Work (Page No. 21 - 24) "D"	Rs=
Total Cost of Work (A+B+C+D)=		Rs=

The Director (Works & Services)

Dated: _____

 Contractor's Signature with Stamp

Dated: _____

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK**[REMAINING WORK] BILL OF QUANTITIES**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	RCC WORK Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No. 15. Item No. 6. R.C. work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.				
a	Beam & Lintels - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ⅛" to ¼" gauge.	6,000.00	Per Cft	337.00	2,022,000.00
b	Slabs & Projection (6" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ⅛" to ¼" gauge.	12,000.00	Per Cft	337.00	4,044,000.00
c	Sun Shade (4" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ⅛" to ¼" gauge.	294.00	Per Cft	337.00	99,078.00
2	SURFACE RENDERING Cement Plaster 1:5 upto 12' height				
a	⅝" thick Plaster (Page No. 51, Item No. 12-a)	101,650.00	%Sft	2,166.72	2,202,470.88
b	½" thick <u>Ceiling & Internal Walls Plaster</u> (Page No. 51, Item No. 12-b)	88,000.00	%Sft	2,241.80	1,972,784.00
c	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	13,650.00	%Sft	2,678.50	365,615.25
3	STEEL REINFORCEMENT Fabrication of mild steel reinforcement using Tor Bars for cement concrete including cutting, bending, laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars) Page No. 16, Item No. 8-b.	885.00	Per Cwt	5,001.70	4,426,504.50

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK[REMAINING WORK] BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
4	TILES Laying floor of approved with glazed / porcelain tile ¼" thick in white cement 1:2 over ¾" thick cement mortar 1:2. complete. (Page No. 42, Item No. 24)	15,850.00	%Sft	27,678.86	4,387,099.31
5	White glazed tiles ¼" thick dado jointed in white cement and laid over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 37)	3,185.00	%Sft	28,253.61	899,877.48
6	GLAZED CERAMIC TILE (BATHROOM) Laying floors of approved coloured glazed tiles ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	580.00	%Sft	27,747.06	160,932.95
7	Glazed tile dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	1,570.00	%Sft	28,299.30	444,299.01
8	PRIMING COAT Priming coat of chalk distemper (Page No. 53, Item No. 22)	21,950.00	%Sft	442.75	97,183.63
9	DISTEMPERING Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	21,950.00	%Sft	1,079.65	236,983.18
10	INTERNAL WALL PAINTING Preparing the surface and painting with matt finish including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 54, Item No. 36-b. (3 Coats)	85,000.00	%Sft	3,444.38	2,927,723.00

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BUILDING WORK**[REMAINING WORK] BILL OF QUANTITIES**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
11	WEATHER COAT Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make. (Page No. 55, Item No. 38-a&b)	13,641.00	%Sft	2,567.95	350,294.06
12	FLUSH DOOR First class deodar wood wrought, joinery in doors and windows etc. fixed in position including chowkats hold fasts hinges, iron tower bolts, chocks cleats handles and cords with hooks, etc. (Page No. 57, Item No. 7b) Rate of Door: Rs. 1,227.36 - G.I. Frame Rs. 228.90 = Door & Windows (Rs. 998.46)	1,640.00	Per Sft	998.46	1,637,474.40
13	ALUMINUM WINDOWS / VENTILATORS Supply & fixing Deluxe Model (Bronze) in position Aluminum channels framing for sliding windows & ventilators of Alcop made with 5mm thick tinted glass glazing (Belgium) & Aluminum fly screen including handless stoppers & locking arrangement etc. complete (Page No. 107, Item No. 84(b))	2,355.00	Per Sft	1,647.69	3,880,309.95
14	G.I.FRAMES FOR DOOR Providing and fixing G.I. Frames / Choukhats of size 7" X 2" or 4½ X 3" for door using 20 gauge G.I. sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also includes all carriage tools and plants used in making and fixing. (Page No. 92, Item No. 29)	1,270.00	Per Rft	228.90	290,703.00

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK**[REMAINING WORK] BILL OF QUANTITIES**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
15	IRON GRILL Providing and fixing iron steel grill using solid square bars of size ½" X ½" placed at 4" including and frame of flat iron patti of ¾" X ¾" including circle shape at 1-0 apart equivalent fitted with screws are pins with painting 3 coats with 1st coat of red oxide paint etc. (Page No. 93, Item No. 30)	2,350.00	Per Sft	194.16	456,276.00
16	WOODEN ARCHITRAVE Providing and fixing with sunk iron screws wooden Architrave approved design / shape having width not less than 2½ inches as directed by Engineer-in-Charge. (Page No. 65, Item No. 60)	2,070.00	Per Rft	49.97	103,437.90
17	COLLAPSIBLE GATE Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" I/c revitted with ¾" x 1/8" flat iron patti placed diagonally and provided with top & bottom T-section 1" x 1" 1/8" along with rollers also I/c locking arrangement and fixing in floor/ceiling or wall etc, completed. (Page No. 94, Item No.32)	100.00	Per Sft	387.04	38,704.00
18	ROOF SCREEDING a Providing and laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No. 16-d)	21,950.00	%Sft	4,411.82	968,394.49
	b Two coats of bitumen laid hot using 34 lbs for %Sft over roof and blinded with sand at one Cft Per %Sft. (Page No. 34, Item No. 13)	21,950.00	%Sft	1,887.40	414,284.30

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK[REMAINING WORK] BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEVATION TREATMENT				
19	RCC WORK Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No. 15. Item No. 6. R.C. work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.				
a	Beam & Lintels - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ⅛" to ¼" gauge.	130.00	Per Cft	337.00	43,810.00
b	Slabs & Projection (6" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ⅛" to ¼" gauge.	100.00	Per Cft	337.00	33,700.00
c	Columns (6" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ⅛" to ¼" gauge.	150.00	Per Cft	337.00	50,550.00
d	Sun Shade (4" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ⅛" to ¼" gauge.	75.00	Per Cft	337.00	25,275.00
20	STEEL REINFORCEMENT Fabrication of mild steel reinforcement using Tor Bars for cement concrete including cutting, bending, laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars) Page No. 16, Item No. 8-b.	7.00	Per Cwt	5,001.70	35,011.90
21	CC 1:4:8 (ratio 1:4:8) cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-i)	50.00	%Cft	11,288.75	5,644.38

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK**[REMAINING WORK] BILL OF QUANTITIES**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
22	CC 1:3:6 CAST IN SITU Cement concrete (ratio 1:3:6) plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h+17/19-b(ii))	50.00	%Cft	15,722.41	7,861.21
23	SUB FLOORING 3" thick - ratio (1:3:6) cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	200.00	%Cft	12,595.00	25,190.00
Sub Total				Rs=	32,653,471.76
_____ above / below					
Cost of Civil Work (Scheduled Items)					

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK[REMAINING WORK] BILL OF QUANTITIES

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
24	FACING TILE Providing and fixing best quality approved Facing Tiles 24" X 24" of approved pattern and colour on ¾" thick cement plaster base ratio 1:4 (with matching colour slurry) upto any height. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.	1,250.00	Sft		
25	S.S. STAIRCASE RAILING (Dull Finish) Providing Fabricating and fixing staircase railing with 2" Dia S.S 16" gauge Hand Railing as per detail on drawing embedded properly in RCC work, specifications and as directed by Architect / Engineer-in-Charge. (all levels)	90.00	Per Rft		
26	ROOM DOOR LOCKS Providing and fixing with C.P brass screws carona, yale lock of approved design, manufacturer, and colour Japan make, cutting wood to required shape and size with three operating keys. complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.	56	Each		
27	DOOR CLOSER Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.	5	Each		

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK**[REMAINING WORK] BILL OF QUANTITIES**

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
28	WATER STORAGE TANK OVER ROOF Construction of storage tank over roof of the required size poured and cast in RCC 1:2:4 including formwork in all walls and slab laying 2" thick 1:4 cement concrete floor finished with neat cement slurry, ½" thick cement plaster in 1:3 cement mortar internally all using approved water proofing agent pudlo or its equivalent grade @ 5lbs/bag of cement and ¾" thick in cement plaster in 1" to 3" cement mortar externally including curing etc. 1 no. manholes opening size 18"x 18" and C.I water tight Manhole cover and frame weight 40.Kg/ each with proper locking arrangement complete all as per drawing and design including the cost of reinforcement complete in all respects. (500 Glen X 2 Nos.)	1,000.00	Per Glen		
Cost of Civil Work (Non-Schedule Items)				Rs=	

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK[REMAINING WORK] BILL OF QUANTITIES

(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
29	PAKISTANI WC Providing and fixing squatting type white glazed earthen ware W.C. Pan with front flush inlet and complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth and floor for pipe connection and making good in cement concrete 1:2:4 (foreign equivalent) with 4" dia C.I. Trap (Page No. 1, Item No. 2-a)	10	Each	5,728.80	57,288.00
30	EUROPEAN WC Providing and fixing European white glazed earthen ware wash down W.C. Pan complete with and including the cost of white / black plastic seat (best quality) and lid with c.p. brass hinges and buffers, 3 gallons white glazed earthen ware low level flushing cistern with siphon fitting 1½" dia white porcelain enamelled flush bend ¾" dia and making requisite number of holes in walls plinth and floor for pipe connections and making good in cement 1:2:4 (foreign quality) Vol-III, PartV-B, Page No. 2, Item No. 5.	4	Each	11,477.40	45,909.60
31	LAVATORY BASIN Providing and fixing 24" X 18" lavatory basin in white glazed earthen ware complete with & including the cost of W.I. or C.I. cantilever brackets 6" built into walls painted white in two cats after a primary coat of red lead paint a pare of ½" dia rubber plug and chrome plated brass chain 1¼" dia malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4 (foreign equivalent) Vol-III, PartV-B, Page No. 3, Item No. 10.	6	Each	4,928.00	29,568.00

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK**[REMAINING WORK] BILL OF QUANTITIES**

(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
32	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (foreign or equivalent) Vol-III, PartV-B, Page No. 3, Item No. 11.	6	Each	153.07	918.42
33	BATHROOM ACCESSORIES Supply and fixing Bathroom Accessories set (7 Piece) including towel rod, brush holder, soap tray, shelf of approved design including cost of screws, nuts etc. complete (Master Brand or as recommended by Engineer-in-Charge). Page No. 19, Item No. 23	7	Each	10,322.40	72,256.80
34	BIB COCKS Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	21	Each	3,432.00	72,072.00
35	MUSLIM SHOWER Supply and fixing C.P. Muslim Shower with crystal head etc. complete (Page No. 19, Item No. 19-b)	4	Each	3,432.00	13,728.00
36	STOP COCK Supply and fixing concealed tee- stop cock of superior quality with c.p. head ½" dia (Page No. 18, Item No. 12-a)	15	Each	843.92	12,658.80
37	Supply & fixing long bib cock of superior quality with c.p.head ½" dia. (Ch-6, Page No. 19, Item No. 13-b)	15	Each	1,109.46	16,641.90
38	uPVC Pipe Providing and laying uPVC Pipes of Class 'D' fixing in trench including cutting, fitting and jointing with solven cement including testing with water to a head of 122 meter or 400 ft. (Page No. 24, Item No. 6).				
a	½" dia	400.00	Rft	12.00	4,800.00

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK**[REMAINING WORK] BILL OF QUANTITIES**

(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
b	¾" dia	250.00	Rft	19.00	4,750.00
c	1" dia	600.00	Rft	27.00	16,200.00
d	1¼" dia	200.00	Rft	33.00	6,600.00
e	1½" dia	300.00	Rft	43.00	12,900.00
f	3" dia	270.00	Rft	136.00	36,720.00
g	4" dia	150.00	Rft	226.00	33,900.00
h	6" dia	1,000.00	Rft	483.00	483,000.00
i	8" dia	600.00	Rft	737.00	442,200.00
39	GUN METAL VALVES Providing and fixing full way gun metal valves with wheels, threaded or flanged ends with rubber washers (standard pattern) Page No. 17, Item No. 4-b				
a	¾" dia	10	Each	227.92	2,279.20
b	1" dia	5	Each	271.92	1,359.60
40	RCC PIPE Providing following sizes RCC Pipe with collars class 'B' and digging the trench to required depth and fixing imposition including cutting, fitting and jointing with maxphalt composition & cement mortar 1:1 and testing with water pressure to a head of 4 feet above the top of the highest pipe and refilling with excavated stuff.				
a	4" dia (CH-X-Page No. 23, Item No. 2-b)	70.00	P.Rft	146.57	10,259.90
b	6" dia (CH-X-Page No. 23, Item No. 2-c)	90.00	P.Rft	199.25	17,932.50
41	BORING FOR TUBE WELL Boring for tube well 125 mm (3" dia) in all water bearing soils from ground level upto 100 ft. or 30.5 meter depth including sinking and with drawing of casing pipe. (CH-II-Page No. 41, Item No. 1a)	70.00	Per Rft	160.00	11,200.00

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK[REMAINING WORK] BILL OF QUANTITIES

(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
42	MANHOLE Constructing manhole or inspectoin chamber for the required diameter of circular sewer and 3'-6" (1067 mm) dept with walls of BB in cement sand mortar 1:3 cement plastered 1:3, ½" thick inside of walls and 1" thick over benching and channel including fixing C.I.Mahole cover with frame of clear opening 1-½' X 1-½' of 1.75 cwt. (88.9 kg) embaded in plain CC 1:2:4 and fixing "" dia MS steps 6" wide projecting 4" from the face of wall at 12" CC duly painted etc. complete as per standard specifications and drawing. (4" to 12" dia 2' X 2' X 3'-6") Page No. CH-II, Page No. 46, Item No. P-a.	17	Each	14,748.00	250,716.00
Sub Total				Rs=	1,655,858.72
____ above / below					
Cost of Plumbing Work (Scheduled Items)					

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK[REMAINING WORK] BILL OF QUANTITIES

NSI (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
43	SEPTIC TANK Construction of Septic tank as per design and specification in R.C.C Structure (size 9'-0" X 5'-0" X 4'-0"). Work complete in all respect as per instructions of the Architect / Engineer-in-Charge.	1	Each		
44	MUSLIM BIB COCK Providing and fixing chromium plated Muslim Bib Cock without Muslim Shower of (Master Make best quality). Complete in all respect as per instructions of Engineer-in-Charge.	10	Each		
45	FLOOR TRAP Providing and fixing approved make best quality PVC Floor Trap of 100 mm dia with stainless top cover (150 mm x 150 mm) and stainless steel grating with or without a vent arm complete with and including making requisite number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4. Complete in all respect as per instructions of Engineer-in-Charge.	14	Each		
46	GULLY TRAP Making CC 1:2:4 Gully Trap of 12" X 12" internal dimension, including excavation, CC 1:4:8 brick masonry, plaster, C.I. Cover and frame, number of holes etc. complete in all respect as per drawings, design and instructions of the Architect / Engineer-in-Charge.	14	Each		
47	CHECK VALVE Providing & fixing 1½" dia brass chuck valve complete with best quality kit of approved make. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		
48	FOOT VALVE Providing & fixing best quality approved make required dia brass foot valve complete with kit local make. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK[REMAINING WORK] BILL OF QUANTITIES

NSI (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
49	MONO BLOCK PUMPING SET Providing and fixing mono block pumping set complete with 2 HP pump 2900 RPM complete with AC 220 V single phase motor on a common base plate having suction & discharge 1-½" X 1-½" as approved including excavation, cast of RC foundation in ratio 1:2:4 S.R.C fairface including supply and installation of foundation bolts and nuts etc. of required dia meter. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		
50	BRAS GATE VALVE Providing & fixing brass gate valve 1½" dia handle type imported make. Complete in all respect as per instructions of the Engineer-in-Charge.	2	Each		
51	MOTOR STARTER Providing and fixing manual operated star delta starter suitable for AC. Single phase 50 cycle supply upto 12/25 amps trip rating on a prepared board. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		
52	3" DIA NON RETURN VALVE Providing & fixing 1½" dia non return valve. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		
53	ELECTRIC WATER COOLER Providing and fixing capacity 20 US gallons (MECO Model ME-30SS) electric water coolers totally rust proof, pressure type with stainless steel body as manufactured by MECO including 3 stage water filter (mabzi or equalvent) as approved by the Engineer.	1	Each		
Cost of Plumbing Works (Non-Schedule Items)				Rs=	

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK[REMAINING WORK] BILL OF QUANTITIES

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
54	WIRING Wiring for light or fan point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(Page No. 15, Item No. 124)	243.00	Per Point	1,130.00	274,590.00
55	Wiring for Plug point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(Page No. 15, Item No. 125)	133.00	Per Point	669.00	88,977.00
56	Wiring for call bell point 3/.029 PVC insulated wire in 20 mm (3/4") channel patti on surface as as required (Page No. 15, Item No. 131)	6.00	Per Point	1,590.00	9,540.00
57	CEILING ROSE Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	20	Each	72.00	1,440.00
58	CEILING FAN Providing and fixing brass ceiling fan 56" i/c Fan Clamp good and best approved quality locally manufactured sweep ceiling fans complete with required down rod, blades, flexible cord PVC / PVC required to connect the fan etc. (Page No. 34, Item No. C-235)	68	Each	3,185.00	216,580.00
59	WIRING FOR LIGHT CIRCUIT Providing & Laying (Main or Sub Main) PVC insulated with size 2-3/.036 copper conductor wire in ¾" dia PVC conduit on surface. (Page No. 1, Item No. 2)	50.00	Per Meter	139.00	6,950.00
60	MAIN / SUB MAIN Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/044 6mm ² copper conductor in 1" dia PVC conduit on surface. (Page No. 1, Item No. 5)	200.00	Per Meter	305.00	61,000.00

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK**[REMAINING WORK] BILL OF QUANTITIES**

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
61	Providing and laying (MAIN or SUB MAIN) PVC insulated and PVC sheathed 4 core armoured copper conductor 600/1000 volts size 16 mm ² . (Page No. 13, Item No. 113)	100.00	Per Meter	1,679.00	167,900.00
62	WALL BRACKET FAN Providing and installing 45 Cm (18") sweep wall bracket fan complete with blades regulator & pulling cord switch fitted on wall or column with GI clip including connection as required. Millat / Pak / Younas / Climax / Royal. (Page No. 34, Item No. C-236)	8	Each	2,791.00	22,328.00
63	Providing and fixing one way SP 5 amp switch flush type (Page No. 330, Item No. 219)	243	Each	54.00	13,122.00
64	Providing and fixing 3 pin 5 amp plug & socket flush type (Page No. 330, Item No. 223)	130	Each	91.00	11,830.00
65	Providing and fixing 3 pin 10/15 amp plug & socket flush type (Page No. 330, Item No. 224)	5	Each	151.00	755.00
66	Providing and fixing circuit breaker 6,10,15,20,30,40,50,&63 amps DP (TB-55)on prepared board as required. (Page No. 31/204)	70	Each	2,456.00	171,920.00
67	Providing and fixing circuit breaker 3,5,10,15,20 30 amps TP (XS-30 SN) (NB) on prepared board as required. (Page No. 31, 205)	3	Each	5,301.00	15,903.00
68	Providing and fixing circuit breaker 15,20,30,40, 50,60 amps TP (XE-100 CS) (CB) on prepared board as required. (Page No. 31, Item No. 206)	3	Each	5,221.00	15,663.00
69	125, 150, 200 & 225 amps TP (XS-225 NS) on prepared board as required. (Page No. 31, Item No. 208)	1	Each	25,541.00	25,541.00

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK**[REMAINING WORK]** BILL OF QUANTITIES

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
70	Providing and laying (MAIN or SUB MAIN) PVC insulated and PVC sheathed 4 core armoured copper conductor 600/1000 volts size 120 mm ² . (Page No. 14, Item No. 119)	80.00	Per Meter	9,606.00	768,480.00
Sub Total				Rs=	1,872,519.00
_____ above / below				Rs=	
Cost of Civil Work (Scheduled Items)				Rs=	

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK[REMAINING WORK] BILL OF QUANTITIES

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
71	EXHAUST FAN Supply & Installation of 8" dia plastic body exhaust fan including all civil works required for complete installation and including all labour and materials as required. Complete in all respect as per instructions of Engineer-in-Charge.	11	Each		
72	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	12	Per Sft		
73	FAN DIMMER Providing & fixing polycarbonate flame retardant fan dimmer with plate fixed on existing board recessed in wall or column including connection as required. Complete in all respect as per instructions of Engineer-in-Charge.	68	Each		
74	FAN CLAMP BOX Providing & fixing 75 mm X 100 mm X 113 mm size (14SWG) thick recessed type fan clamp box 13 mm dia MS bar fan clamp fixed in roof at casting time as required. Complete in all respect as per instructions of Engineer-in-Charge.	68	Each		
75	ELECTRIC WATER COOLER Providing and fixing of electric water cooler capacity 20 US gallons (MECO Model ME-30SS) totally rust proof, pressure type with stainless steel body as manufactured by MECO including 3 stage water filter (mabzi or equivalent) as approved by the Engineer-in-Charge.	1	Each		

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

BUILDING WORK[REMAINING WORK] BILL OF QUANTITIES

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
76	LIGHTING Providing and fixing following light and light fixtures. Complete in all respect as per drawing, design, specification and instructions of the Engineer-in-Charge. (all lighting and fixtures should be Philips make or equalvent) Complete in all respect as per instructions of Engineer-in-Charge.				
a	LED size 2' X 2' (24 W)	9	Each		
b	LED size 10" (18 W)	105	Each		
c	LED size 6" (12 W)	55	Each		
77	EARTHING SET Providing and fixing earthing set with 600 mm X 600 mm X 6 mm copper plate buried in the ground at a depth of 3.6 m or less if water come out from the ground level (with salt and charcoal, or earth chemical powder) etc., making the pit 3.6 m feet deep by excavation of all type of soil (except soft or hard rock) including fixing of 8 SWG copper wire in 13 mm GI pipe. Complete in all respect as per instructions of Engineer-in-Charge.	1	Job		
Cost of Electrical Work				Rs=	

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

EXTERNAL DEVELOPMENT WORK**[REMAINING WORK] COST ESTIMATE**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	IMPORTED EARTH FILL Filling, watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. (Page No. 4, Item No. 22)	15,000.00	%Cft	3,630.00	54,450.00
2	SUPPLY OF RIVER / PIT Supply of clean / screened (river or pit) sand within 5 chains including removal of top crust of earth or over burden and royalty to the Government or cost to the Private Owner. (Page No. 6, Item No. 36)	15,000.00	%Cft	420.00	63,000.00
3	Add: extra lead 6 mile (referred from carriage of materials schedule)	15,000.00	%Cft	771.96	115,794.00
4	SITU 1:3:6 Cement concrete plain ratio (1:3:6) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate with shuttering (Page No. 15, Item No. 5-h+17/19b(i))	2,000.00	%Cft	16,183.48	323,669.60
5	SUB FLOORING 3" thick - ratio (1:3:6) Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	10,000.00	%Cft	12,595.00	1,259,500.00
6	CC TOPPING Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No. 16-c)	10,000.00	%Sft	3,275.50	327,550.00

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

EXTERNAL DEVELOPMENT WORK**[REMAINING WORK] COST ESTIMATE**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
7	PAVING / TOUGH BLOCKS Providing and fixing cement paving / tough blocks flooring having size of 197 X 197 X 80 (mm) of city / quaddra . Cobble shape with pigmented having strength between 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner / pattern and design etc. complete (Page No. 49, Item No. 74)	5,000.00	Per Sft	248.17	1,240,850.00
8	KERB STONE Providing and fixing Precast Edge Block 3750 PSI Industrial made size 6" thick x 12" long x 18" high including the cost of cartage, excavation, form work for haunching 1450 PSI lean concrete, 2250 PSI concrete for huanching, 1:4 cement sand mortar. VOL-III (Part-VI) (Page No. 15, Item No. 14)	1,000.00	Per Rft	297.01	297,010.00
9	SEWAGE MANURE Supplying, stacking and spreading well decayed sewage manure from approved sources including all leads and lifts. (Page No. 103, Item No. 44)	1,425.00	P.Cart Load	298.12	424,821.00
Sub Total				Rs=	4,106,644.60
_____ above / below					
Cost of Civil Work (Scheduled Items)				(A)	

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

EXTERNAL DEVELOPMENT WORK**[REMAINING WORK] COST ESTIMATE**

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	SUPPLY GARDEN SOIL (SWEET EARTH) Supply and stacking garden approved garden soil (sweet earth) free from salts, pebbles and grass roots etc. including all leads and lifts. Complete in all respect as per specification and instructions of the Architect / Engineer-in-Charge.	12,500.00	P.Cft		
11	SPREADING GARDEN SOIL (SWEET EARTH) Spreading approved garden soil (sweet earth) in uniform thickness including mixing and breaking clods and dressing fine for grassing including disposal of rubbish with 3 chains (92 m) Complete in all respect as per specification and instructions of the Architect / Engineer-in-Charge.	12,500.00	P.Cft		
12	GRASSING Supply live (Dacca) grass in slabs with earth intact including all lead and lifts.	10,000.0	P.Sft		
13	Grassing fine by dribbling grass roots 3" apart including watering, weeding till such time the grass is set and becomes green and is fit for mowing.	10,000.0	P.Sft		
Cost of Civil Work (Non-Schedule Items)			(B)	Rs=	

ESTABLISHMENT OF GPI AT SIRAI PIARO KHAN, DISTT. KHAIRPUR

EXTERNAL DEVELOPMENT WORK**[REMAINING WORK] COST ESTIMATE**

(Electrical Works) NSI

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	100 KVA Transformer	1	No		
2	Double pole mounted plated for	1	No		
3	D-Fitting fuse set (complete)	1	No		
4	Conductor ACSR Rabbit	21	Mtr		
5	Aluminium (Conductor) ANT	530	Mtr		
6	11 KV Steel Cross Arm	2	No		
7	11 KV pins for above	3	No		
8	Earthing unit welded type	2	Set		
9	P.G. connector 110	3	Mtr		
10	M.S.Nut + Bolt 2 X 5 /8	6	No		
11	Bolt HE X Steel Nut 14" X 5" X 8" X 2¼"	6	Mtr		
12	Round washer	6	No		
13	Square Washer	6	No		
14	LT Steel structure 31'	12	No		
15	G.I. Wire 6 mm for earthing	4	Kg		
16	D-Strip	8	No		
17	Shackle Insulator	8	No		
	Concrete Work				
18	Rounding of LT Structure	12	No.		
19	Fixing Earth R oad	2	No.		
Total				Rs=	
Deptt. Electric Charges 15% except item No. 18 & 19				Rs=	
Installation & Store Charges 20% except item No. 18 & 19				Rs=	
Grand Total			(C)	Rs=	

Cost of External Development Work (A+B) =**Rs=**